[0045]

VIDEO CARD CLASS - TABULATED VIEW CLASS NAME: VideoCard			
ATTRIBUT	ES Type	Comments	
video_men pixel clock display	nory Enum integer M onite	r	

[0046]

[0047]

MONITOR CLASS - TABULATED VIEW CLASS NAME: Monitor ATTRIBUTES Type Comments screen_resolution Integer

Integer

[0048]

refresh_rate

MONITOR CLASS - PSEUDO CODE

-continued

```
MONITOR CLASS - PSEUDO CODE

choice: ('50Hz', '60Hz', '75Hz');
}
}
```

[0049]

```
PROCESSOR CLASS - TABULATED VIEW
CLASS NAME: Processor

ATTRIBUTES

Type:

clock_frequency integer min = 50, max = 200
cache_size enum Choice: '256 b', '512 b', '1024 b'
```

[0050]

PROCESSOR CLASS - PSEUDO CODE

[0051] In a Perl-type implementation the class implementations defined using the declarative class definitions above are created at run-time by the class-making module. A main program creates the configuration model in memory by creating instances (or objects) of the class implementations. The main program may, for example, implement a user interface allowing users to read, set or modify attributes of each object making up the configuration model. It will be appreciated that the main program may also use classes defined in a more conventional, non-declarative, manner.

[0052] As previously described, the use of generic class-making modules along with declarative class definitions has currently been limited for use where there are no dependencies between nodes or leaves of a configuration tree. The present invention helps to overcome such disadvantages by providing a framework through which dependency information may defined in a declarative manner and thereby be used with a generic class-making module.

[0053] One of the problems of using generic class-making modules, such as Class::MethodMaker, is that referencing of objects arranged in a hierarchical tree-like structure becomes